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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/007,373	12/05/2001	Sudarshan Sampath	2000P09093US01	7165

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Siemens Corporation
Intellectual Property Department
186 Wood Avenue South
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EXAMINER

STORK, KYLE R

ART UNIT	PAPER NUMBER
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2178

DATE MAILED: 06/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/007,373

Applicant(s)

SAMPATH ET AL.

Examiner

Kyle R Stork

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 April 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) 16-18 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 and 19-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. This non-final office action is in response to the amendment filed 7 April 2005.
2. Claims 1-15 and 19-22 are pending. Claims 16-18 have been cancelled. Claims 1, 13, and 19 are independent. The rejection of claims 1-15 and 19-21 under 35 U.S.C. 102(b) under Behme ("Laziness Happens," 1998) has been withdrawn.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-15 and 19-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Behme and further in view of Sluiman et al. (US 6590589, filed 29 November 1999, patent 8 July 2003, hereafter Sluiman).

As per independent claim 1, Behme discloses the document generation system for producing a structured document from information derived from an information repository (page 1: Here, the information repository is a database), comprising:

- A source of document generation control information determining a desired presentation format and content structure of a generated document (Section: DSSSL as HTML Generator: Here, jade is used to create target documents of HTML from another SGML language.)

- A document processor for applying the control information in filling template document item locations with corresponding ordered data elements derived from the information repository, to produce a generated document (Sections: DSSSL as HTML Generator--Leaving the Database: Here, the generated document is the HTML document with the repository queried to fill the item locations specified within the template)

Behme fails to specifically disclose a document template generator for applying the control information in generating a template document structure. However, Sluiman discloses a template generator for generating a template document structure (column 3, line 38- column 4, line 41).

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to have combined Behme's system with Sluiman's system, since it would have allowed a user to reduce the work needed to update web pages (Behme: page 1, paragraph 1).

As per dependent claim 2, Behme and Sluiman disclose the limitations similar to those in claim 1, and the same rejection is incorporated herein. Behme further discloses the system wherein the document processor further applies the control information in transforming the generated document to be compatible with the desired presentation format to produce an output document (Section: DSSSL as HTML Generator: Here, the HTML document is meant to be displayed in a browser).

As per dependent claim 3, Behme and Sluiman disclose the limitations similar to those in claim 2, and the same rejection is incorporated herein. Behme further

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discloses the system wherein the document processor further transforms the output document for incorporation in an electronic browseable directory (Section: DSSSL as HTML Generator: Here, the HTML files or organized into directories so that they can be found by users).

As per dependent claim 4, Behme and Sluiman disclose the limitations similar to those in claim 1, and the same rejection is incorporated herein. Behme further discloses the system wherein the document processor applies the control information in filling template document item locations by, identifying information elements in the information repository associated with individual item locations using attributes in the control information associated with individual locations and by retrieving information elements identified by the attributes from the information repository for insertion in corresponding item locations (Listings 1-6).

As per dependent claim 5, Behme and Sluiman disclose the limitations similar to those in claim 1, and the same rejection is incorporated herein. Behme further discloses the system wherein the document processor examines the template document item locations and marks them for content filling with a content identification marker, and retrieves information elements identified by the marker from the information repository for insertion in corresponding item locations (Listings 1-6: Here, the DSSSL is filled by the database to create the XML document that uses a style sheet (template) to create the HTML page; Section: Where to Put the Elements).

As per dependent claim 6, Behme and Sluiman disclose the limitations similar to those in claim 5, and the same rejection is incorporated herein. Behme further

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discloses the system wherein the document processor also marks an item location in the template document with a content style attribute, and retrieves a corresponding content style attribute identified by the marker from the information repository and uses the attribute in processing an information element for insertion in the item location (Listings 1-6; Section: Where to Put the Elements).

As per dependent claim 7, Behme and Sluiman disclose the limitations similar to those in claim 1, and the same rejection is incorporated herein. Behme further discloses the system wherein the document comprises a row and column tabular structure of item locations and the document processor search the information repository for corresponding data elements in one or more of, (a) row order and (b) column order (Listing 2: Here, the search is done by row).

As per dependent claim 8, Behme and Sluiman disclose the limitations similar to those in claim 1, and the same rejection is incorporated herein. Behme further discloses the system wherein the generated document comprises one or more of, (a) an SGML document, (b) an XML document, (c) an HTML document, (d) a document encoded in a language incorporating distinct content attributes and presentation attributed, and (e) a multimedia file (Section: DSSSL as HTML Generator: Here, a HTML file is generated).

As per dependent claim 9, Behme and Sluiman disclose the limitations similar to those in claim 1, and the same rejection is incorporated herein. Behme further discloses the system wherein the source of document generation control information

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comprises an SGML document comprising an expandable document structure (Section: DSSSL as HTML Generator).

As per dependent claim 10, Behme and Sluiman disclose the limitations similar to those in claim 1, and the same rejection is incorporated herein. Behme further discloses the system wherein the document template generator applies the control information to generate the template document structure by, expanding item location nodes in a data structure derived from the control information, the item location nodes being designated to hold ordered data items (Listings 1-6: Here, the generation of the XML document is an expansion of combining the DTD and the database report).

As per dependent claim 11, Behme and Sluiman disclose the limitations similar to those in claim 1, and the same rejection is incorporated herein. Behme further discloses the system wherein the document template generator expands the data structure derived from the control information in response to an instruction in the control information (Listings 1-6).

As per dependent claim 12, Behme and Sluiman disclose the limitations similar to those in claim 1, and the same rejection is incorporated herein. Behme further discloses the system wherein the control information comprises an expandable document structure identified by a language type definition descriptor and the document template generator generates a template document structure by expanding the expandable document structure in a manner compatible with the document structure language identified by the descriptor (Section: DSSSL as HTML Generator; Listings 1-6).

As per independent claim 13, the applicant discloses the system of claim 1, wherein the information repository is a database. Behme further discloses a database (page 1). Claim 13 is similarly rejected under Behme and Sluiman.

As per dependent claim 14, the applicant discloses the limitations similar to those disclosed in claim 5. Claim 14 is similarly rejected under Behme and Sluman.

As per dependent claim 15, the applicant discloses the limitations similar to those disclosed in claim 6. Claim 15 is similarly rejected under Behme and Sluiman.

As per independent claim 19, the applicant discloses the method for execution on the system of claim 13. Claim 19 is similarly rejected under Behme and Sluiman.

As per dependent claim 20, the applicant discloses the limitations similar to those disclosed in claim 5. Claim 20 is similarly rejected under Behme and Sluiman.

As per dependent claim 21, Behme and Sluiman disclose the limitations similar to those in claim 20, and the same rejection is incorporated herein. Behme further discloses the method wherein the content style attribute comprises at least one of, (a) number of characters per line, (b) number of lines per page, (c) font type and size, and (d) text style (Listings 1-6: Here, the text style is German or English).

As per dependent claim 22, Behme and Sluiman disclose the limitations similar to those in claim 21, and the same rejection is incorporated herein. Sluiman further discloses the method further comprising deleting an item location from the template document structured based upon specified values (column 2, lines 23-32; column 9, lines 18-34: Here, the template is generated and customized based upon user values entered and data selected for display).

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It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to have combined Behme and Sluiman's method with Sluiman's method, since it would have allowed a user to enter data into a database to generate templates based upon the information stored within a database.

Response to Arguments

5. Applicant's arguments with respect to claims 1-15 and 19-22 have been considered but are moot in view of the new ground(s) of rejection.

As disclosed above, the Sluiman reference has been added to address the deficiencies of the Behme reference as argued by the applicant. Further, with respect to the applicant's argument with respect to claim 7, Sluiman discloses the generation of a template document (column 3, line 38- column 4, line 41). Sluiman in conjunction with Behme discloses the ability to search the information repository for elements in row order, column order, or a combination of both (Behme: Listing 2).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kyle R Stork whose telephone number is (571) 272-4130. The examiner can normally be reached on Monday-Friday (7:00-3:30).


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kyle Stork
Patent Examiner
Art Unit 2178

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PRIMARY EXAMINER